

PTO/SB/21 (02-04)

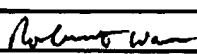
Approved for use through 07/31/2006. OMB 0651-0031


U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|   |                        |                  |
|---|------------------------|------------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number     | 10/814,592       |
|   | Filing Date            | 3/31/04          |
|   | First Named Inventor   | O'Brien et al.   |
|   | Art Unit               | not yet assigned |
|   | Examiner Name          | not yet assigned |
| Total Number of Pages in This Submission  | Attorney Docket Number | 110348-135100    |

| ENCLOSURES (Check all that apply)   |  |   |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form   | <input type="checkbox"/> Drawing(s)  | <input type="checkbox"/> After Allowance communication to Technology Center (TC)        |
| <input type="checkbox"/> Fee Attached   | <input type="checkbox"/> Licensing-related Papers  | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply  | <input type="checkbox"/> Petition  | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final  | <input type="checkbox"/> Petition to Convert to a Provisional Application  | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                                      | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                                      | <input type="checkbox"/> Terminal Disclaimer   | <input type="checkbox"/> Other Enclosure(s) (please identify below):                    |
| <input type="checkbox"/> Express Abandonment Request                                    | <input type="checkbox"/> Request for Refund  |   |
| <input type="checkbox"/> Information Disclosure Statement                               | <input type="checkbox"/> CD, Number of CD(s) _____   |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)                         | <b>Remarks</b><br>Enclosures:<br>Resp to Miss Parts (1 pg.)<br>Dec/POA (3 pgs.)<br>Fee Transmittal in duplicate (2 pgs.)<br>Check \$1,212<br>Copy of Notice to File Miss Parts (2 pgs.)<br>Return Receipt Postcard |   |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application               |  |   |
| <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |  |   |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |
|--|---|
| Firm or Individual name                    | Schwabe, Williamson & Wyatt, P.C.   |
| Signature                                  |  |
| Date                                       | 8/12/04   |

| CERTIFICATE OF TRANSMISSION/MAILING   |   |
|---|---|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. |   |
| Typed or printed name   | Christine Hurdle  |
| Signature   |  |
| Date  | 8/12/04   |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 1,212

**Complete if Known**

|                      |                  |
|----------------------|------------------|
| Application Number   | 10/814,592       |
| Filing Date          | 3/31/04          |
| First Named Inventor | O'Brien et al.   |
| Examiner Name        | not yet assigned |
| Art Unit             | not yet assigned |
| Attorney Docket No.  | 110348-135100    |

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

500393

Schwabe Williamson et al.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description        | Fee Paid         |
|-------------------------------|-------------------------------|------------------------|------------------|
| 1001 770                      | 2001 385                      | Utility filing fee     | 770              |
| 1002 340                      | 2002 170                      | Design filing fee      |                  |
| 1003 530                      | 2003 265                      | Plant filing fee       |                  |
| 1004 770                      | 2004 385                      | Reissue filing fee     |                  |
| 1005 160                      | 2005 80                       | Provisional filing fee |                  |
| <b>SUBTOTAL (1)</b>           |                               |                        | <b>(\$ ) 770</b> |

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 23                 | -20** = 3    | 18             | 54       |
| Independent Claims | 6            | -3** = 3       | 86       |
| Multiple Dependent |              |                |          |

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  |                  |
|-------------------------------|-------------------------------|--|------------------|
| 1202 18                       | 2202 9                        | Claims in excess of 20                                     |                  |
| 1201 86                       | 2201 43                       | Independent claims in excess of 3                          |                  |
| 1203 290                      | 2203 145                      | Multiple dependent claim, if not paid                      |                  |
| 1204 86                       | 2204 43                       | ** Reissue independent claims over original patent         |                  |
| 1205 18                       | 2205 9                        | ** Reissue claims in excess of 20 and over original patent |                  |
| <b>SUBTOTAL (2)</b>           |                               |  | <b>(\$ ) 312</b> |

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  | Fee Paid |
|-------------------------------|-------------------------------|--|----------|
| 1051 130                      | 2051 65                       | Surcharge - late filing fee or oath  | 130      |
| 1052 50                       | 2052 25                       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130                      | 1053 130                      | Non-English specification  |          |
| 1812 2,520                    | 1812 2,520                    | For filing a request for ex parte reexamination                            |          |
| 1804 920*                     | 1804 920*                     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840*                   | 1805 1,840*                   | Requesting publication of SIR after Examiner action                        |          |
| 1251 110                      | 2251 55                       | Extension for reply within first month                                     |          |
| 1252 420                      | 2252 210                      | Extension for reply within second month                                    |          |
| 1253 950                      | 2253 475                      | Extension for reply within third month                                     |          |
| 1254 1,480                    | 2254 740                      | Extension for reply within fourth month                                    |          |
| 1255 2,010                    | 2255 1,005                    | Extension for reply within fifth month                                     |          |
| 1401 330                      | 2401 165                      | Notice of Appeal   |          |
| 1402 330                      | 2402 165                      | Filing a brief in support of an appeal                                     |          |
| 1403 290                      | 2403 145                      | Request for oral hearing   |          |
| 1451 1,510                    | 1451 1,510                    | Petition to institute a public use proceeding                              |          |
| 1452 110                      | 2452 55                       | Petition to revive - unavoidable   |          |
| 1453 1,330                    | 2453 665                      | Petition to revive - unintentional   |          |
| 1501 1,330                    | 2501 665                      | Utility issue fee (or reissue)   |          |
| 1502 480                      | 2502 240                      | Design issue fee   |          |
| 1503 640                      | 2503 320                      | Plant issue fee  |          |
| 1460 130                      | 1460 130                      | Petitions to the Commissioner  |          |
| 1807 50                       | 1807 50                       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806 180                      | 1806 180                      | Submission of Information Disclosure Stmt                                  |          |
| 8021 40                       | 8021 40                       | Recording each patent assignment per property (times number of properties) |          |
| 1809 770                      | 2809 385                      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810 770                      | 2810 385                      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801 770                      | 2801 385                      | Request for Continued Examination (RCE)                                    |          |
| 1802 900                      | 1802 900                      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ ) 130**SUBMITTED BY**

(Complete if applicable)

|                   |             |                                   |         |           |              |
|-------------------|-------------|-----------------------------------|---------|-----------|--------------|
| Name (Print/Type) | Robert Watt | Registration No. (Attorney/Agent) | 45,890  | Telephone | 503.222.9981 |
| Signature         |             | Date                              | 8/12/04 |           |              |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-SB-28.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket No. 110348-135100

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:

O'Brien et al.

Application No.: 10/814,592

Filed: 3/31/04

For: CAPPING OF COPPER  
STRUCTURES IN  
HYDROPHOBIC ILD USING  
AQUEOUS ELECTRO-LESS  
BATH

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on:

Date of Deposit: 8/12/04

Name of Person Mailing: Christine Hurdle

Signature: *Christine Hurdle* Date: 8/12/04

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE TO NOTICE TO FILE MISSING PARTS

Sir:

Applicant is in receipt of the Notice to File Missing Parts mailed 6/14/04 in the above-identified application. In response, applicant encloses:

1. A fully executed Combined Declaration and Power of Attorney.
2. A check in the amount of \$1,212.
3. Fee Transmittal in duplicate.
4. Copy of Notice to File Missing Parts.

Should anything further be required, please contact the undersigned.

Respectfully submitted,  
SCHWABE, WILLIAMSON & WYATT, P.C.

Dated: 8/12/04

*Robert Watt*  
Robert Watt  
Registration No. 45,890

Schwabe, Williamson & Wyatt, P.C.  
Pacwest Center, Suites 1600-1900  
1211 SW Fifth Avenue  
Portland, Oregon 97204  
Telephone: 503-222-9981

JFW



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-----------------------|------------------------|
| 10/814,592         | 03/31/2004             | Kevin P. O'Brien      | 110348-135100          |

25943

SCHWABE, WILLIAMSON & WYATT, P.C.  
PACWEST CENTER, SUITES 1600-1900  
1211 SW FIFTH AVENUE  
PORTLAND, OR 97204



CONFIRMATION NO. 5877

## FORMALITIES LETTER



\*OC000000012926848\*

Date Mailed: 06/14/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

08/18/2004 BABRAHA1 00000010 10814592

Adjustment date: 08/18/2004 BABRAHA1  
FILED UNDER 37 CFR 1053(b) 004 BABRAHA1 00000065 10814592

|            |           |
|------------|-----------|
| 01 FC:1001 | 770.00 OP |
| 02 FC:1051 | 130.00 OP |
| 03 FC:1202 | 54.00 OP  |
| 04 FC:1201 | 258.00 OP |

Filing Date Granted

|            |           |
|------------|-----------|
| 01 FC:1001 | 770.00 OP |
| 02 FC:1051 | 130.00 OP |
| 03 FC:1202 | 54.00 OP  |
| 04 FC:1201 | 258.00 OP |

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$312 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

08/17/2004 BABRAHA1 00000065 10814592

Total additional fee(s) required for this application is \$1212 for a Large Entity

|            |           |
|------------|-----------|
| 01 FC:1001 | 770.00 OP |
| 02 FC:1051 | 130.00 OP |
| 03 FC:1202 | 54.00 OP  |
| 04 FC:1201 | 258.00 OP |

- \$770 Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.

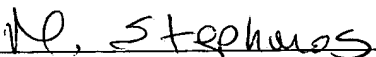
- Total additional claim fee(s) for this application is **\$312**

- **\$258** for 3 independent claims over 3.
- **\$54** for 3 total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice **MUST** be returned with the reply.*

  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY